



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/786,694	02/25/2004	John M. Harris	CE09312R	3687

22917 7590 01/26/2007
MOTOROLA, INC.
1303 EAST ALGONQUIN ROAD
IL01/3RD
SCHAUMBURG, IL 60196

EXAMINER

ZEWARI, SAYED T

ART UNIT	PAPER NUMBER
----------	--------------

2617

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	01/26/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No.	Applicant(s)	
	10/786,694	HARRIS, JOHN M.	
	Examiner	Art Unit	
	Sayed T. Zewari	2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 November 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9 and 12-29 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-9, 12-19 and 27-29 is/are allowed.
- 6) ☒ Claim(s) 20-26 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Art Unit: 2617

1. The Art Unit location of your application in the USPTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Art Unit 2617.

DETAILED ACTION

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 20-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Haartsen (US 6,804,542 B1) in view of Suzuki et al (US 5,301,225).

With respect to claim 20, Haartsen discloses an apparatus with inherent first memory having indicia information as pertains to at least a first wireless mobile station stored therein wherein the mobility indicia information pertains to the rate of movement of the first wireless mobile station within a wireless communication system (**See Haartsen figure 7, where the flow chart indicates the inherent presence of a control unit which runs the software. This software needs a storage place, a memory**). Haartsen further discloses an inherent second memory having information corresponding to a first inactivity timer and a second inactivity timer as pertains to the first wireless mobile station stored therein (**See Haartsen figure 2-8, col.3 lines 14-22,**

Art Unit: 2617

47-51, col.4 lines 11-43, 53-61, col.5 lines 1-10, col. 6 lines 17-26, 55-57, where second memory can be another segment of the first memory. Furthermore the second memories include EEPROM, ROM, or Flash memory which are inherent part of a control unit). Haartsen further discloses a processing platform that is operably coupled to the first and second memory and having instructions stored therein to modify operation of the first and second inactivity timer as a function, at least in part, of the mobility indicia information wherein the first and second inactivity timer determines a duration the first wireless mobile station remains in at least one of a plurality of modes of operation and wherein a duration first inactivity timer is extended and a duration of the second inactivity timer is decreased depending on the mobility indicia **(See Haartsen figure 7, where the flow chart indicates the inherent presence of a control unit which runs the software. This control unit inherently needs to be coupled to memory in order to function).** However Haartsen does not specifically disclose a mobility indicia information. But Suzuki discloses a mobility indicia **(See Suzuki col.3, lines 3-30, col.6 lines 15-24, 34-37, 49-55, figure 2 and 3).**

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the invention disclosed by Haartsen and provide a mobility indicia, as taught by Suzuki, thereby reducing power consumption and occupying network resources, as discussed by Suzuki **(See Suzuki col.2 lines 25-29).**

With respect to claim 21, Haartsen and Suzuki disclose all the limitations of claim 20. Furthermore, Haartsen discloses the apparatus comprises an infrastructure element of a wireless communication system **(See Haartsen col.5 lines 40-45).**

Art Unit: 2617

With respect to claim 22, Haartsen and Suzuki disclose all the limitations of claims 20 and 21. Haartsen further discloses the infrastructure element comprises a radio access network (RAN) **(See Haartsen col.5 lines 40-45).**

With respect to claim 23, Haartsen and Suzuki disclose all the limitations of claim 20. Haartsen further discloses the apparatus comprises a wireless mobile station **(See Haartsen col.5 lines 40-45).**

With respect to claim 24, Haartsen and Suzuki disclose all the limitations of claim 20. Haartsen further discloses the apparatus comprises a combination of an infrastructure element of a wireless communication system and a wireless mobile station **(See Haartsen col.5 lines 40-45).**

With respect to claim 25, Haartsen and Suzuki disclose all the limitations of claim 20. Haartsen further discloses an inherent third memory having communication resources setup delay information stored therein **(See Haartsen figure 2-8, col.3 lines 14-22, 47-51, col.4 lines 11-43, 53-61, col.5 lines 1-10, col. 6 lines 17-26, 55-57, where third memory can be another segment of the first memory. Furthermore the third memories include EEPROM, ROM, or Flash memory which are inherent part of a control unit).** Haartsen also discloses the processing platform further operably couples to the third memory and the instructions further modify the operation of the inactivity timer as a function, at least in part, of the setup delay information (See Haartsen figure 7, where the flow chart indicates the inherent presence of a control unit which runs the software. This control unit inherently needs to be coupled to memory in order to function).

Art Unit: 2617

With respect to claim 26, the above combinations disclose all the limitations of claim 26.

Allowable Subject Matter

4. Claims 1-9, 12-19, and 27-29 are allowed.

Conclusion

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

6. A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sayed T. Zewari whose telephone number is 571-272-6851. The examiner can normally be reached on 8:30-4:30.

Art Unit: 2617

8. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester G. Kincaid can be reached on 571-272-7922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

9. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Sayed T. Zewari

January 19, 2007


LESTER G. KINCAID
SUPERVISORY PRIMARY EXAMINER